

Figure 1

Application No.: 10/690,634

Amendment dated: December 5, 2005

Reply to Office Action dated: June 3, 2005

REPLACEMENT SHEET

2/6

Load Buffer 141

Store Buffer 143

Memory Ordering Buffer (MOB) 127

Application No.: 10/690,634

Amendment dated: December 5, 2005

Reply to Office Action dated: June 3, 2005

REPLACEMENT SHEET

3/6

Store Buffer 312 3) 2) 1) Control Info 305 Z Address 310 Data 315 Figure 3a

Application No.: 10/690,634

Amendment dated: December 5, 200

Reply to Office Action dated: June 3, 2005

REPLACEMENT SHEET

4/6

(Operation	Source	Destination
1)	Store	R4,	[R1]
2)	Load	[X],	R2

Reg.	Correct Value	Incorrect Value
R1	X	Y ·

Figure 4a

L0 Cache System 120

Address	Data
X	F000

Figure 4b

Application No.: 10/690,634

Amendment dated: December 5, 20()

Reply to Office Action dated: June 3, 2005

REPLACEMENT SHEET

5/6

Store Buffer

	2)	.1)	_
		Seg. No. 512 Invalid Store Flag 510	Control Info 505
		Y	Address 310
:		F0F0	Data 315
		143A	

Figure 5

Application No.: 10/690,634

) Amendment dated: December 5, 206

Reply to Office Action dated: June 3, 2005

REPLACEMENT SHEET

6/6

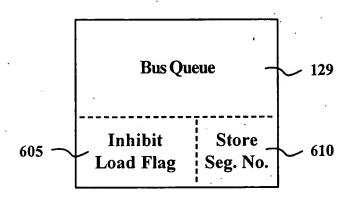


Figure 6

Store Buffer

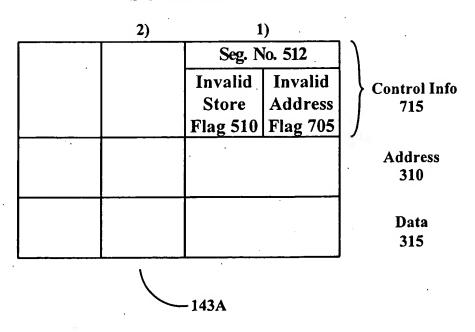


Figure 7